

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	CM-056-1 (56)	49	157

Grounding:

GENERAL NOTES

- ### TUBULAR EXTENSION SPECIFICATIONS

GENERAL:

- DESIGN:

- MATERIALS:**

- FINISH:**

- NOTE : All designs and shop drawings shall be submitted to the State Office of Bridge Design, for approval, prior to installation.

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Video System:

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- 1/2" Ø X 3' LIGHTNING ROD SHALL EXTEND 2' ABOVE TOP OF TUBULAR EXTENSION
- VDS CAMERA(S) SHALL BE MOUNTED 2' FROM TOP OF TUBULAR EXTENSION
- 1" WEATHERHEAD
- DNP LOOP(S) SHOULD NOT INTERFERE WITH CCTV OPERATION
- 2" WEATHERHEAD WITH THREADED COLLAR
- CCTV CAMERA (TYP) SHALL BE MOUNTED A MAXIMUM OF 5' BELOW VDS CAMERA(S) OR 2' FROM TOP OF TUBULAR EXTENSION IF NO VDS CAMERA(S) ARE INSTALLED ON SAME TUBULAR EXTENSION
- CCTV AND/OR VDS CABLES INSIDE TUBULAR EXTENSION
- TUBULAR EXTENSION
- CONDUIT, RIGID, 1 IN (#4 AWG INSULATED STRANDED GROUND WIRE FROM LIGHTNING ROD TO 20' GROUND ROD)
- CONDUIT, RIGID, 1 IN (#4 AWG INSULATED STRANDED GROUND WIRE FROM LIGHTNING ROD TO 20' GROUND ROD)
- CONDUIT, RIGID, 2 IN (CCTV AND/OR VDS CABLES)
- CONDUIT, RIGID, 1 IN (#4 AWG INSULATED STRANDED GROUND WIRE FROM LIGHTNING ROD TO 20' GROUND ROD)
- CONDUIT, RIGID, 2 IN (CCTV AND/OR VDS CABLES)
- CONDUIT, RIGID, 1 IN (#4 AWG INSULATED STRANDED GROUND WIRE FROM LIGHTNING ROD TO 20' GROUND ROD)
- 2" RESISTANT LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT
- 1" RESISTANT LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT
- BRACKETS (TYP)
- TUBULAR EXTENSION
- BASE PLATE
- HORIZONTAL SIGN SUPPORT
- L BEND BASE PLATE
- BRACKET ATTACHMENT (SIDE VIEW)
- CONDUIT, RIGID, 1 IN (#4 AWG INSULATED STRANDED GROUND WIRE FROM LIGHTNING ROD TO 20' GROUND ROD)
- CONDUIT, RIGID, 2 IN (CCTV AND/OR VDS CABLES)
- CCTV/VDS CABINET
- CONDUIT, NONMETL, TP 2.2 IN (POWER SERVICE WIRES-SIZE AS REQUIRED)
- CONDUIT, RIGID, 1 IN (#6 AWG SOLID GROUND WIRE FROM CABINET TO 8' GROUND ROD)
- POWER SERVICE WIRES
- PULL BOX, PB-2
- 5/8" Ø GROUND ROD (8' MINIMUM)
- GROUND LINE
- CONDUIT, NONMETL, TP 2.2 IN (SERVICE WIRES-SIZE AS REQUIRED)
- 6'-0" MIN
- 5/8" Ø GROUND ROD (20' MINIMUM)
- CONDUIT, RIGID, 1 IN (#4 AWG INSULATED STRANDED GROUND WIRE FROM LIGHTNING ROD TO 20' GROUND ROD)
- SHOULDER
- PULLBOX, PB-5
- LB-LR (TYP)
- FO CABLE LOOSE TUBE
- FO CABLE DROP
- CLOSURE, UNDERGROUND
- MAINTENANCE COIL (OSP FO CABLE LOOSE TUBE)
- MAINTENANCE COIL (OSP FO CABLE DROP)
- ELECTRICAL COMMUNICATION BOX, TP 5
- CONDUIT, NONMETL, TP 2 OR TP 3.2 IN (SEE PLAN SHEET) (OSP FO CABLE DROP)
- CONDUIT, NONMETL, TP 2.2 IN (OSP FO CABLE DROP)
- SWEEPS (TYP)

BRACKET ATTACHMENT
(SIDE VIEW)

	NAME	DATE		NAME	DATE
DESIGNED BY			FIRST DRAWN		
CHECKED BY			LAST DRAWN		
SUPERVISED BY					

GEORGIA DEPARTMENT
OF TRANSPORTATION

	SUBMITTED BY	DATE
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ATMS DESIGN
S.R. - 400 FROM I-85 TO I-285
TUBULAR EXTENSION DETAIL SHEET

ACCOUNT NO.	
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RAWING NO.